

Claims

1. (Thrice Amended) A process for the production of a transgenic plant the seeds of which comprise an embryo exhibiting a modified cotyledons development, wherein at least one plant cell is transformed with at least one DNA cosuppression construct comprising a nucleic acid sequence derived from an ASKdzetha (ASK_{ζ})-gene of group II is a fragment of at least 150 base pairs corresponding to the 5' untranslated region and part of the N-terminal coding region and regenerated to a plant whose embryos exhibit the modified development.
2. (once amended) The process according to claim 1, wherein the nucleic acid sequence derived from an ASKdzetha (ASK_{ζ})-gene of group II is a fragment of at least 300 base pairs corresponding to the 5' untranslated region and part of the N-terminal coding region.
3. The process according to claim 1, wherein the modified development is characterised by the development of an increased number of cotyledons.
4. (Once Amended) The process according to claim 1, wherein the DNA cosuppression construct is an antisense or sense construct or a construct comprising a transposable element wherein the DNA construct is capable of eliminating the expression of an endogenous ASKdzetha (ASK_{ζ})-gene of group II.
5. Delete claim 5
6. Delete claim 6
7. (Once Amended) The process according to claim 1, wherein the nucleic acid sequence derived from an ASK-gene of group II is a fragment of 150 to 350 bp. corresponding to the 5'-untranslated region and a part of the N-terminal coding region of ASKdzetha (ASK_{ζ})-gene of group II.
8. The process according to claim 1, wherein the ASK-gene is in the form of a cDNA or genomic DNA.

